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DIALOG(R)File 347:JAPIO
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05369901
PRODUCTION OF FOAM

PUB. NO.: 08-325401 [*JP 8325401* A]
PUBLISHED: December 10, 1996 (19961210)
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ABSTRACT

PURPOSE: To provide a process by which a foam having small diameter cells can be produced with a simple equipment, and the continuous production can be desirably carried out and which comprises mixing a resin with a blowing agent which generates a gas upon irradiation and radiating the obtained mixture with a radiation.

CONSTITUTION: A resin is mixed with a blowing agent which is decomposed to form a gas when it is irradiated, and the obtained mixture is irradiated with a radiation to foam the resin. As the blowing agent, any compound that is decomposed to form a gas by excitation with a radiation can be used. An example of the blowing agent which forms a nitrogen gas is 4-bromobenzenediazonium-tetrafluoroborate. An example of the blowing agent which forms a hydrogen gas is magnesium hydride. Further, an example of the blowing agent which forms carbon monoxide and methane is 4-methylphenol acetate, and an example of the blowing agent which forms butene and hydrogen gas is butane.

DIALOG(R)File 351:Derwent WPI
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WPI Acc No: 1997-083547/199708

Prod'n. of cellular material - by mixing blowing agents with resins, and irradiating mixt. with radiation to expand the resins

Patent Assignee: SEKISUI CHEM IND CO LTD (SEKI)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
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Patent Details:

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Abstract (Basic): JP 8325401 A

Prod'n. of cellular material comprises mixing blowing agents decomposing by being irradiated with radiation to emit gases with resins and irradiating the mixt. with radiation to expand the resins.

Also claimed is the prodn. of cellular material comprising dispersing blowing agents in resins and expanding the resins under prescribed conditions where froth generators decomposing by being irradiated with radiation to emit gases are previously mixed with the resins and the resins are irradiated with radiation before the resins are expanded.

ADVANTAGE - Cellular material having fine cells are obtd. by using simple equipment.

Dwg. 0/5

Derwent Class: A94

International Patent Class (Main): C08J-009/06

International Patent Class (Additional): C08L-101-00